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TITLE: APPARATUS FOR CONTROLLING SPEED  
CHANGE RATIO OF TOROIDAL  
TYPE NON-STAGE TRANSMISSION  
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ABSTRACT:

PURPOSE: To control accurately speed change ratio by  
correcting non-linear  
relationship between the inclination of a power roller and  
the speed change  
ratio with a desired inclination or the signal of an  
inclination detector in a  
toroidal type non-stage transmission.

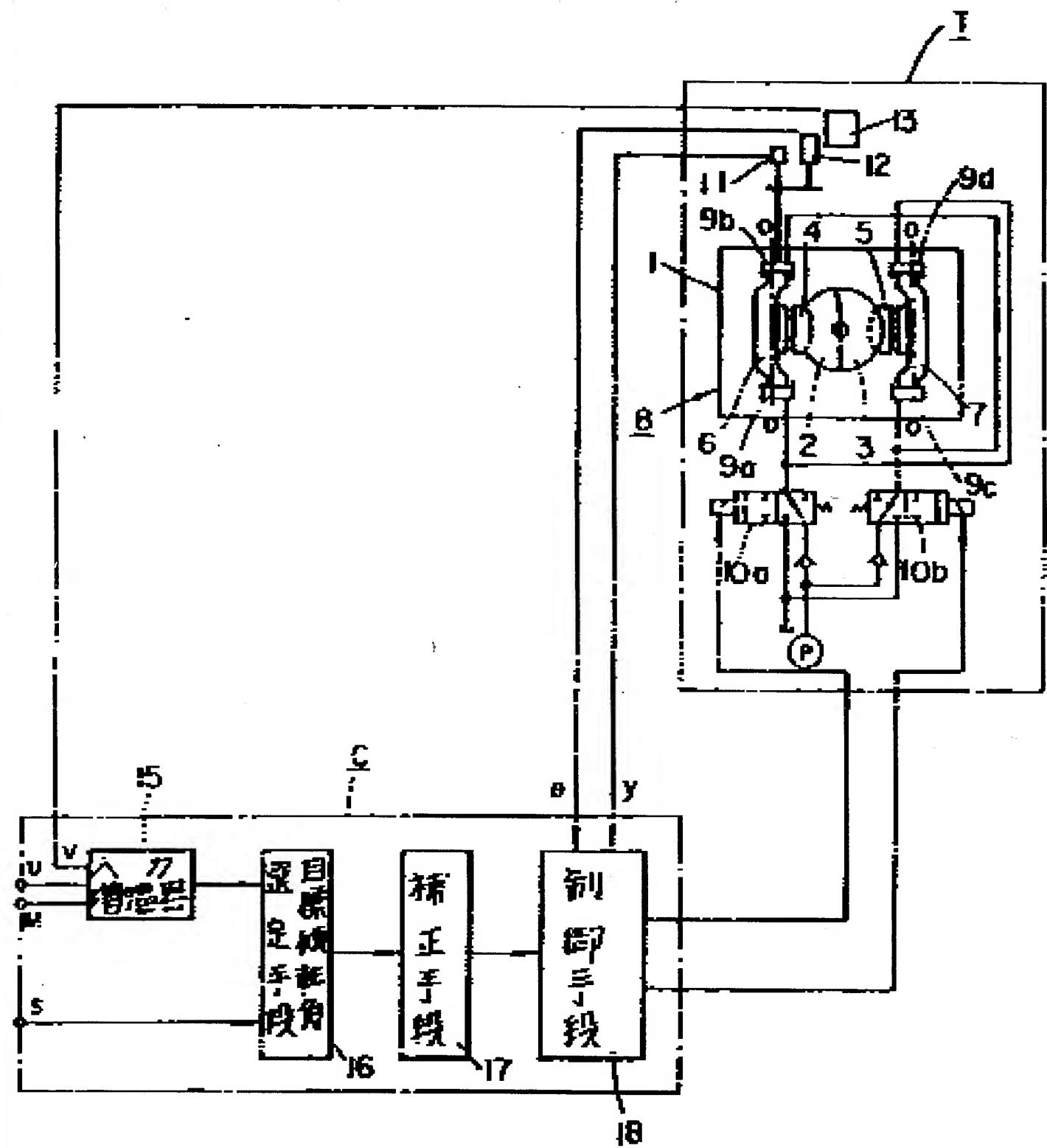
CONSTITUTION: A desired inclination  $E_r$  is corrected to  
linearize an actual  
inclination  $\theta$ ; and the speed change ratio  $R$  by an  
inclination detector 12

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for detecting the inclination  $\theta$  of a power roller 4 of a trunion 6 in a toroidal type non-stage transmission T and a control unit C so that the speed change ratio R of said transmission T follows up accurately a predetermined speed change ratio based upon throttle opening, economic power mode and shift positon detection signal. Thus, load torque in the rotary input side can be prevented from fluctuation.

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